INFORMATION DISCLOSURE **STATEMENT** 

BY APPLICANT

Docket: 4239-55207

App: 09/825,617

Applicant: Kellman & McVeigh

Filed: April 3, 2001

Art Unit: 3737

## **U.S. PATENT DOCUMENTS**

FAT & TRADENT		U.S. TATENT DOCUMENTS							
Init.*	Number	Date	Name	Class	Sub	Filed			
	5,208,534	5/4/1993	Okamoto, et al.						
	4,710,717	12/1/1987	Pelc et al.						
	5,697,370	5/4/1993	Pelc et al.						
	5,351,305	9/27/1994	Wood et al.			-			
	5,323,110	6/21/1994	Fielden et al.						
	5,304,929	4/19/1994	Fang et al.						
	5,722,409	3/3/1998	Kuhara et al.						
L.M.A	5,667,373	9/16/1997	Wright et al.						
	5,515,852	5/14/1996	Karp et al.						
	5,431,163	7/11/1995	Kajiyama						
	4,937,526	6/26/1990	Ehman et al.						
	5,729,140	3/17/1998	Kruger et al.						
	5,653,233	8/5/1997	Pelc et al.						
	4,720,678	1/19/1988	Glover et al.						
	5,138,259	8/11/1992	Schmitt et al.						
	6,043,651	3/28/2000	Heid		=				
	Re.36,679	5/2/2000	Zakhor et al.		JECHNO	s in			
	5,647,370	7/15/1997	Harnoncourt		LOGY	TP C			
EXAMINE	ER: Cain	leana	DATE		CEN1E	6 2001			
	Initial if considere	d, whether or no	t in conformance with MPI nd not considered. Send co		1111111111	3 11			

Radiological Society of North America, 85th Scientific Assembly and Annual Meeting, LMA. November 26-December 1, 2000, Chicago, Illinois S. Kuhara et al., A Novel EPI Reconstruction Technique using Multiple RF Coiul Sensitivity Maps Walsh, David O., et al., Adaptive Reconstruction of Phased Array MR Imagery, Magnetic Resonance in Medicine 43:682-690 (2000) Xin Wan et al., Reduction of Geometric and Intensity Distortions in Echo-Planar maging Using a Multireference Scan, MRM 37:932-944 (1997) TECHNOLOGY CENTER R370 **EXAMINER:** DATE \*Examiner: Initial if considered, whether or not in conformance with MPEP 60; draw line through cite if not in conformance and not considered. Send copy.

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PE INFO	RMATION DISCLOSURE	Docket: 4239-55207	App: 09/825,617		
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SEP O L ZOON SE	BY APPLICANT	Filed: April 3, 2001	Art Unit: 3737		
TRADE TRADE	OTHER	DOCUMENTS			
	Xin Wan et al., Reduction of F Echo Imaging, MRM 34:632-	Phase Error Ghosting Artifacts ( 638 (1995)	in Thin Slice Fast Spin-		
	Feinberg et al., Phase Errors i (1994)	n Multi-Shot Echo Planar Imag	ging, MRM 32:535-539		
	·	anar MR Imaging: Comparison of Radiology, University Hospi			
	Buonocore et al., <i>High Spatial</i> MRM 41:1199-1205 (1990)	Resolution EPI Using an Odd	Number of Interleaves,		
L.M.A.	·	ng, Warren J., "Simultaneous Ac naging with Radiofrequency Co	_		
		e Matrix Estimation Errors and sactions on Aerospace and Elec	-		
	Haykin, Simon, "Adaptive Fil- Information and System Science	ter Theory", Third Edition, New ces Series	v Jersey: Prentice Hall		
		et al., "Variable Density AUT ourg University, Würzburg, Gen			
	Epstein, Frederick H., Wolff, S Cardiac Imaging Using an Ech 41:609-613 (1999)	Steven D., Arai, Andrew E., "Seno-Train Readout", <i>Magnetic Re</i>	esonance in Meditoine		
	A		WED 3 2001 CENTER R370		
EXAMINER:	Laury Secure	DATE 6/03	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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SIMPORMATION DIGGLOSU	Docket: 4239-55207	App: 09/825,617
STATEMENT	Applicant: Kellman & N	1cVeigh
SEP 0 1 2001 E BY APPLICANT	Filed: April 3, 2001	Art Unit: 3737
	eigh, E.R., "Method for Combining UN ory for Cardiac Energetics, National Halesda, MD	
	al., "Specific Coil Design for SENSE: Biomedical Engineering and Medical zerland,	
Temporal Filtering	ein, McVeigh, "Adaptive Sensitivity I (TSENSE), Laboratory of Cardiac En I Heart, Lung and Blood Institute, Beth	nergetics, National Institutes
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ein, F.H., Kellman, P., Wassmuth, R., Ang Real-Time MRI", Scientific Assemb	
	smann, K.P., Boesiger, P., "Cardiac Rec Resonance in Medicine 43:177-184	
	ilored SMASH Image Reconstruction gnetic Resonance in Medicine 44: 243-	
	ob PM, Edelman RR, Sodickson DK. A MASH. Proc. Intl. Soc. Magn Reson Mo	
1 1 1 1 1	er SJ, Pelc NJ. Analysis of T2 limitation and artifacts in echo-planar imaging.	
scanner, Magn Res	trafast interleaved gradient-echo-plana son Med 1993; 30: 609-616	RE(
Feinberg DA, Oshi Med 1994; 32:535-	o K. Phase errors in multi-shot echo pl	lanar imaging. Magn Reson 6 2001
EXAMINER: Cally Mans	DATE 6/03	R370
*Examiner: Initial if considered, whethe draw line through cite if not in conform		0;

(P.E.	/a	TION DIGGLOSUDE	Docket: 4239-55207	App: 09/825,617
	",\S'	TATEMENT	Applicant: Kellman & McVeig	h
SEP 0 4 20	S S V	APPLICANT	Filed: April 3, 2001	Art Unit: 3737
LUA -			BD Jr, McVeigh ER. Quantification of the street of the str	
LMA.			AZ, McVeigh ER. Multi-echo se sequence for ultrafastcardiac image	
		*		
				RECEIVED  SEP 0 6 2001  TECHNOLOGY CENTER R\$700
EXAMINE	CR: Q	lus Jeans	DATE 6/03	EIVED 0 6 2001 Y CENTER R3700
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	$\nu_{\Lambda}$				

Init.*	Number	Date	Name	Class Sub Filed
LMA.	6,160,398	12-Dec-2000	Walsh	NDV Z (ED
L.M.A.	5,633,585	27-May-1997	Kuhn	TECHNOL DOV 2
				TECHNOL DEY CENT EN R3700

## FOREIGN PATENT DOCUMENTS

	Number	Date	Country	Class	Sub	

## **OTHER DOCUMENTS**

L.M.A.			Kellman, P. and McVeigh, E., "Ghost Artifact Cancellation Using Phased Array Processing", Magnetic Resonance in Medicine, Academic Press, Duluth, MN, US, vol. 2, no. 46, August 2001 (pages 335-343).
			7
EXAMI	NER	· V/	DATE

\*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.